

CLAIM AMENDMENTS

1 1. (currently amended) Composition for attracting
2 blood-sucking arthropods and/or fruit flies comprising an effective
3 amount of:

4 a) at least one compound from group I, II or III or an
5 acceptable salt thereof or a combination thereof with
6 group I consisting of alpha-hydroxycarboxylic acids,
7 ~~particularly alphahydroxymonocarboxylic acids,~~
8 ~~each containing a C0—C8 alkyl chain group;~~
9 group II consisting of alpha-thiomonocarboxylic
10 acids and alpha-thiodicarboxylic acids, each
11 containing a C0—C8 C₁ to C₈ alkyl chain group;
12 group III consisting of at least one compound of
13 group I or II wherein the alkyl group is
14 substituted by a C₆ - C₁₀ aryl group; and

15 b) at least one compound of C₄-C₈ carboxylic acids and
16 acceptable salts thereof, selected from the group consisting of
17 butyric acid, valeric acid, caproic acid, oenanthic acid, caprylic
18 acid and variations thereof, wherein said variations are defined as
19 having one or more ~~unsaturated~~ unsaturated bonds and/or being
20 branched carboxylic acids;

21 c) ammonia and/or primary amines with C₁ - C₆ atoms.

1 2. (Canceled)

1 3. (original) The composition of claim 1 wherein the
2 aryl group is a phenyl group.

1 4. (Currently amended) The composition of wherein
2 compound a) is selected from the group consisting of glycolic acid,
3 thiolactic acid, lactic acid, thiomalic acid, tartaric acid and
4 mandelic acid, and wherein in c) ammonia is used in form of an
5 ammonia releasing compound.

1 5. (Previously presented) The composition of claim 1
2 comprising lactic acid, caproic acid, ammonia, and acceptable salts
3 thereof, or wherein heptanoic acid is used instead of or in
4 addition to caproic acid.

1 6. (Previously presented) The composition of claim 1
2 wherein the components a : b : c are present in a molar amount of
3 about 1 : 0.1 - 100 : 0.01 - 10 or 1 : 0.5 - 50 : 0.05 - 5 or 1 : 1
4 -10 : 0.1 - 1 with respect to their mixing ratio in gaseous phase.

1 7. (Previously presented) The composition of claim 1,
2 wherein the components a : b : c are present in a molar amount of
3 about 1 : 1 : 0.6 with respect to their mixing ratio in gaseous
4 phase.

1 8. (Previously presented) The composition of claim 1
2 wherein additionally as component d one or more of further blood-
3 sucking arthropod attracting compounds are included.

1 9. (Currently amended) The composition of claim 8
2 wherein said further attracting compounds are selected from the
3 group of at least one of C₁ - C₃ carboxylic acids and acceptable
4 salts thereof, selected from the group consisting of formic acid,
5 acetic acid and propionic acid and at least one of dichlormethane,
6 trichlormethane, acetone, phenol, 1-octen-3-ol, and fermentating
7 yeast and an extract of ~~fermentating~~ fermenting yeast.

1 10. (currently amended) The composition of ~~claim 1~~
2 claim 8 wherein as component d acetic acid is included.

1 11. (currently amended) The composition of ~~claim 1~~
2 claim 8 wherein components a: b : c :d are present in a molar
3 amount of about 1 : 0.1-100: 0.01-10 : 0.01 -1000 or 1:0,1 -
4 100:0.01-10: 0.01 - 100 or 1 : 0.1 - 100 : 0.01 - 10 : 0.01 - 50 or
5 1 : 1 - 10 : 0.1 - 1 : 0.1 - 1 with respect to their mixing ratio
6 in gaseous phase.

1 12. (currently amended) The composition of ~~claim 1~~
2 claim 10 comprising an effective amount of lactic acid, ammonia,
3 caproic acid, acetic acid or acceptable salts thereof, or wherein
4 heptanoic acid is used instead of or in addition to caproic acid.

1 13. (original) The composition of claim 11 wherein the
2 components are present in a molar amount of 1 : 1 : 0.6 : 0.2 with
3 respect to their mixing ratio in gaseous phase.

1 14. (Previously presented) The composition of claim 1
2 wherein ammonia is included in a mixing amount of not more than 10
3 times of lactic acid with respect to their mixing ratio in gaseous
4 phase.

1 15. (Previously presented) The composition of claim 1
2 wherein the mixing ratio of lactic acid and caproic acid is between
3 10 : 1 and 1 : 10 with respect to their mixing ratio in gaseous
4 phase.

1 16. (Previously presented) The composition of claim 1
2 wherein the mixing ratio of ammonia and lactic acid is between 1 :
3 1 and 1 : 50 with respect to their mixing ratio in gaseous phase.

1 17. (currently amended) The composition of ~~claim 1~~
2 claim 12 wherein the mixing ratio of acetic acid and lactic acid is
3 between 1 : 1 and 1 : 100 with respect to their mixing ratio in
4 gaseous phase.

1 18. (Previously presented) The composition of claim 1
2 comprising additionally stabilizers, fragrances, preservatives,
3 diluting agents.

1 19. (Previously presented) The composition of claim 1
2 comprising additionally an effective amount of carbon dioxide.

1 20. (Previously presented) The composition of claim 1
2 wherein the amount of caproic acid is higher as the mixing amount
3 of lactic acid and wherein the amount of ammonia is lower than the
4 amount of lactic acid in the gaseous phase.

1 21. (currently amended) The composition of ~~claim 1~~
2 claim 8 wherein at least one of the components a, b, c, or d is
3 used spatially separated and not in admixture with each other.

1 22. (currently amended) ~~Trap or kit~~ The composition of
2 claim 1, which comprises components a, b, and c [[and d]], wherein
3 components a, b, and ~~c and/or d~~ are located in separated containers
4 or vials forming a trap or a kit for trapping insects.

1 23. (original) ~~Trap-or-kit~~ The composition of claim
2 21, which further comprises means for controlled release of
3 components a, b, c and/or d forming a trap or a kit for trapping
4 insects.

1 24. (Previously presented) A method of attracting
2 blood-sucking arthropods and/or fruit flies comprising the step of
3 exposing the environment with an evaporated composition of claim 1,
4 which composition is effective to attract blood-sucking arthropods
5 and/or fruit flies.

1 25. (New) A synergistic composition for attracting
2 blood-sucking arthropods and/or fruit flies consisting essentially
3 of:

4 (a) lactic acid or an acceptable salt thereof;
5 (b) caproic acid or an acceptable salt thereof; and
6 (c) ammonia,
7 in a respective molar ratio of 1: 0.5 - 50: 0.05 to 5.

1 26. (New) A method of attracting blood-sucking
2 arthropods and/or fruit flies comprising the step of exposing the
3 environment with an evaporated composition of claim 25, which
4 composition is effective to attract blood-sucking arthropods and/or
5 fruit flies.

1 27. (New) The composition of claim 25, which comprises
2 components (a), (b), and (c), wherein components (a), (b), and (c)
3 are located in separated containers or vials forming a trap or a
4 kit for trapping insects.

1 28. (New) The method of attracting blood-sucking
2 arthropods and/or fruit flies defined in claim 26 further
3 comprising the step of trapping the attracted blood-sucking
4 arthropods and/or fruit flies.